FUTURE INTERNET 2014
EUROPEAN SUMMIT

UNIVERSITÉ DU LUXEMBOURG

Session 1

Future Internet in European Research: Promises and Accomplishments

Moderated by: Dr. Joao Schwarz da Silva, Research Fellow, SnT

Panel Members

Ilkka Lakaniemi, Chair, EU Future Internet PPP
David Kennedy, Director Eurescom
Martin Potts, Director of Martel, Switzerland
Jesus Villasante, Head of Unit, DG-Connect

SnT
securityandtrust.lu

Future Internet – The Origin

The BLED Declaration:

Towards a European approach to the Future Internet

Current Internet: Success & Challenges

With over a billion users world-wide, the current Internet is a great success – a global integrated communications infrastructure and service platform underpinning the fabric of the European economy and European society in general. However, today's Internet was designed in the 1970s for purposes that bear little resemblance to current and foreseen usage scenarios. Mismatches between original design goals and current utilisation are now beginning to hamper the Internet's potential. A large number of challenges in the realms of technology, business, society and governance have to be overcome if the future development ofthe Internet is to sustain the networked society of tomorrow.

Future Internet: Vital to continued economic Growth in Europe

In the future, even more users, objects, services and critical information infrastructures will be networked through the Future Internet which will underpin an ever larger share of our modern and global economies.It is therefore time to strengthen and focus European activities on the Future Internet to maintain Europe's competitiveness in the global marketplace.

A significant change is required and the European Internet scientific and economic actors, researchers, industrialists, SMEs, users, service and content providers, now assert the urgent necessity to redesign the Internet, taking a broad multidisciplinary approach, to meet Europe's societal and commercial ambitions.

FI-PPP Was born as a EU Competitiveness Tool

- Accelerate development and adoption of Future Internet technologies in Europe
- Advance European market for smart infrastructures
- Increase effectiveness of business processes through Future Internet technologies

FI-PPP The 3 Phases

Phase 1: Apr 2011 - Mar 2013
- Usage area requirements
- Development of architecture and generic and specific enablers
- Evaluation of test infrastructures

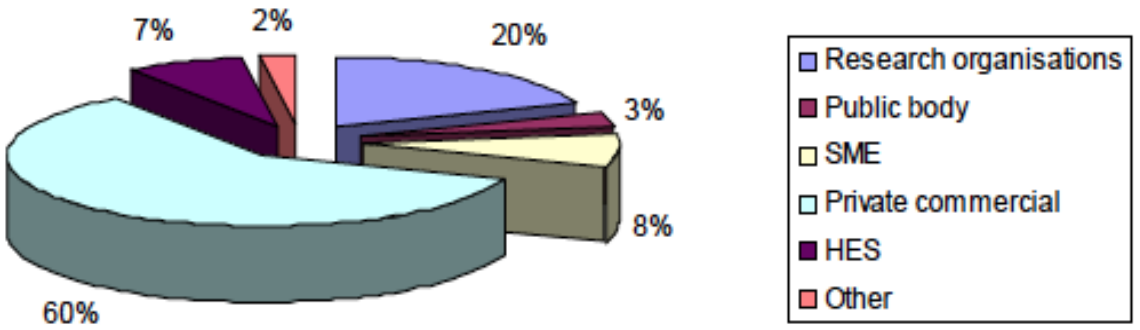
Phase 2: Apr 2013 - Mar 2015
- Prepare for early trials
- Develop core platform and use case specific functionalities
- Run early trials

Phase 3: May 2014 - Oct 2015
- Provide stable infrastructure for large-scale trials
- Prove viability of concept through large-scale trials including innovative SMEs

FI-PPP Facts and Figures

- Total investment by industry and public sector: 500 million euro (incl. 300 million euro by EC)
- Partner organizations and companies: 158 (phase 1 projects), 125 (phase 2)
- Industry share in the programme: 68% (phase 1), 60 % (phase 2)
- Countries represented: 23 (phase 1), 21 (phase 2)

Participant Type (by EC funding)



FI-PPP Expected Impact

- Strengthened competitiveness of European industry in the ICT sector and ICT-enabled sectors
- New Internet-enabled business opportunities for cross-sector industrial partnerships
- Significant growth of European market for smart Infrastructures
- Accelerated evolution of open and secure services based on future Internet infrastructures

Where are we now?

- **Have these activities been successfully emulated at national level?**
- **Is redirection needed?**
- **Traditional players versus new players?**
- **Which aspects need greater efforts?**
- **Content, architecture, applications?**
- **Is the European dimension properly addressed?**
- **Where are the European champions of tomorrow?**
- **Internet everywhere – industrial opportunities?**
- **Phase 3 of the Future Internet PPP – the SME and start-up dimensions?**
- **Innovation, employment, opportunities ahead?**
- **Where are we going?**

SnT
securityandtrust.lu